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January 30, 2004

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Mail Stop Patent Application

Re:

U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)

Appl. No. To Be Assigned; Filed: January 30, 2004

For: Hybrid Circuit For Bidirectional Frequency Division Multiplexed

Communication

Inventor:

Rudi VERBIST

Our Ref:

1875.4680001

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- 1. PTO Fee Transmittal (Form PTO/SB/17);
- 2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
- 3. U.S. Utility Patent Application entitled:

## **Hybrid Circuit For Bidirectional Frequency Division Multiplexed Communication**

and naming as inventor:

Rudi VERBIST

the application consisting of:

- a. An Application Data Sheet (37 C.F.R. § 1.76);
- b. An original executed Declaration;
- c. A specification containing:

Sterne, Kessler, Goldstein & Fox PLLC.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

Commissioner for Patents January 30, 2004 Page 2

- i. 12 pages of description prior to the claims;
- ii. 2 pages of claims (11 claims);
- iii. a one (1) page abstract;
- d. 3 sheets of drawings: (Figure(s) 1-5); and
- 4. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
- 5. Recordation Form Cover Sheet;
- 6. An original executed Assignment to Broadcom Corporation, recordation of which is hereby respectfully requested;
- 7. Two (2) return postcards; and
- 8. Form PTO-2038 Credit Card Payment Form in the amount of \$810.00 to cover the \$770.00 filing fee and the \$40.00 assignment recordation fee..

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

Kessler, Goldstein & Fox P.L.L.C.

Robert Sokohl Attorney for Applicant Registration No. 36,013

RES/mjg Enclosures

UTILITY PATENT APPLICATION **TRANSMITTAL** 

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	1875.4680001	
First Inventor	Rudi VERBIST	
Title	HYBRID CIRCUIT FOR BIDIRECTIONAL FREQUENCY DIVISION MILTIPLEXED	
Express Mail Label No.	COMMUNICATION	

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APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.			ADDR	ADDRESS TO:  Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450					
1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27.  3. X Specification [Total Pages_ 15 ] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description			(if a a. b.	Computer Program (Appendix)  8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF)  b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies					
				ACCOMPANTING AF	PLICAI	ION	AKIS		
- Claim(s) - Abstract of the Disclosure  4. X Drawing(s) (35 U.S.C. 113) [Total Sheets3]  5. Oath or Declaration [Total Sheets1] a. X Newly executed (original or copy)  b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)  i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  6. X Application Data Sheet. See 37 CFR 1.76  18. If a CONTINUING APPLICATION, check appropriate box, and suppropriate specification following the title, or in an Application Data Sheet under 37 Continuation Divisional Continuation Continuation Divisional Continuation			10.	(when there is an assignee)  11.					
1 5b, is considered	a part of the disclosure o	only; The entire disclosure of f the accompanying continuat	on or division	nal application and is hereby	incorporate	d hy rei	ference.		
The incorporation	can only be relied upon	when a portion has been inad	ertently omit	ted from the submitted applic	ation parts.				
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This collection of information's required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/17 (10-03)

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FEE TRANS	ATTIME	Complete if Known			
FEE IRANS	DIAIL I WE	Application Number	To Be Assigned		
for FY		Filing Date	January 30, 2004		
Effective 10/01/2003. Patent fees are si		First Named Inventor	Rudi VERBIST		
		Examiner Name	To Be Assigned		
Applicant claims small entity status.	See 37 CFR 1.27	Art Unit	To Be Assigned		
TOTAL AMOUNT OF PAYMENT	(\$) 810.00	Attorney Docket No.	1875.4680001		
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METHOD OF PAYMENT (check all that apply)  FEE CALCULATION (continued)	FEE CALCULATION (continued)					
Check X Credit card Money X Other* None 3. ADDITIONAL FEES	3. ADDITIONAL FEES					
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Deposit Account: the fees to Deposit Acct. No. 19-0036.  Deposit Code (\$)   Gode (\$)	Fee Paid					
Account Number 19-0036 1051 130 2051 65 Surcharge - late filing fee or oath	ree Palu					
Deposit Account Sterne Kessler, Goldstein & Fox P.L.L.C. 1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet						
Name The Director is authorized to: (check all that apply)  1053 130 Non-English specification						
Charge fee(s) indicated below Credit any overpayments 1812 2,520 For filing a request for ex parte reexamination						
Charge any additional fee(s) or any underpayment of fee(s)  1804 920* 1804 920* Requesting publication of SIR prior to Examiner action						
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FEE CALCULATION 1251 110 2251 55 Extension for reply within first month						
1. BASIC FILING FEE 1252 420 2252 210 Extension for reply within second month						
Large Entity Small Entity 1253 950 2253 475 Extension for reply within third month						
Fee Fee Fee Fee Paid 1254 1,480 2254 740 Extension for reply within fourth month						
1001 770 2001 385 Utility filing fee 1255 2,010 2255 1,005 Extension for reply within fifth month						
1002 340 2002 170 Design filing fee 770 00 1401 330 2401 165 Notice of Appeal						
1003 530 2003 265 Plant filing fee 1402 330 2402 165 Filing a brief in support of an appeal						
1004 770 2004 385 Reissue filing fee 1403 290 2403 145 Request for oral hearing						
1005 160 2005 80 Provisional filing fee 1451 1,510 1451 1,510 Petition to institute a public use proceeding						
SUBTOTAL (1) (\$) 770.00   1452 110   2452 55 Petition to revive - unavoidable						
1453 1 330 2453 665 Petition to revive - unintentional						
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 1501 1,330 2501 665 Utility issue fee (or reissue)						
Extra Claims below Fee Paid 1502 480 2502 240 Design issue fee						
Total Claims 11 - 20 **= X   1503 640 2503 320 Plant issue fee						
Multiple Dependent  A **=						
1807 50 Processing fee under 37 CFR 1.17(q)						
Fee Fee Fee Fee Description 1806 180 Submission of Information Disclosure Stmt						
Code (\$) Code (\$) 8021 40 8021 40 Recording each patent assignment per	\$40.00					
1809 770 2809 385 Filing a submission after final rejection						
1201 86 2201 43 Independent claims in excess of 3 (37 ČFR 1.129(a))						
1203 290 2203 145 Multiple dependent claim, if not paid 1810 770 2810 385 For each additional invention to be examined (37 CFR 1.129(b))						
1204 86 2204 43 ** Reissue independent daims over original patent 1801 770 2801 385 Request for Continued Examination (RCE)						
1205 18 2205 9 ** Reissue claims in excess of 20 1802 900 1802 900 Request for expedited examination of a design application						
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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Rudi VERBIST

Appl. No.: To Be Assigned

Filed: January 30, 2004

For: Hybrid Circuit For Bidirectional Frequency Division Multiplexed

Communication

Confirmation No.: To Be Assigned

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: 1875.4680001

Authorization to Treat a Reply as Incorporating an Extension of Time Under 37 C.F.R. § 1.136(a)(3)

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Robert Sokohl Attorney for Applicant Registration No. 36,013

Date: \_\_\_\_January 30, 2004

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